

Title (en)
WIND MACHINE WITH AERODYNAMIC ELEMENTS TO CONCENTRATE AND ACCELERATE AN AEOLIAN FLOW ENTERING FROM OUTSIDE

Title (de)
WINDKRAFTANLAGE MIT AERODYNAMISCHEN ELEMENTEN ZUR KONZENTRATION UND BESCHLEUNIGUNG EINES VON AUSSEN EINTRETENDEN WINDSTROMS

Title (fr)
ÉOLIENNE À ÉLÉMENTS AÉRODYNAMIQUES POUR CONCENTRER ET ACCÉLÉRER UN COURANT D'AIR ENTRANT DANS L'ÉOLIENNE DEPUIS L'EXTÉRIEUR

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Application
EP 11819118 A 20111222

Priority
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Abstract (en)
[origin: WO2012085955A2] The present invention relates to a wind machine with aerodynamic elements to concentrate and accelerate an Aeolian flow entering from outside, said machine being characterized in that it is provided with a housing (1), with an air intake, a first section (3) converging up to an element (5) having a substantially spherical or cylindrical section, a second and a third section (6A, 6B), downward said first converging section (3), each one licking said element (5) having a substantially spherical or cylindrical section substantially up to its median line, a first and a second auxiliary air intake (8), in correspondence of said median line of said element (5) having a substantially spherical or cylindrical section, said element (5) having a substantially linear portion (9), downward said first and second air intake (8), a fourth and a fifth section (10A, 10B), each one substantially reproducing profile of said second and third sections (6A, 6B), a third auxiliary air intake (11) being provided in correspondence of said fourth and a fifth sections (10A, 10B); and a diverging channel, at the outlet of which a device exploiting said Aeolian flow is provided.

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Citation (search report)
See references of WO 2012085955A2

Cited by
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